



**18-2247**  
16 August  
2018

**TECHNICAL SERVICE BULLETIN**  
**1.5L EcoBoost - Illuminated Malfunction Indicator Lamp (MIL) - DTCs**  
**P04DB And/Or P051B - Built On Or Before 1-Feb-2017**

This bulletin supersedes 18-2210. Reason for update: New Part/Procedure For Same Condition

**Model:**

<b>Ford</b> 2017 Escape
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**Summary**

This article supersedes TSB 18-2210 to update the vehicle model years affected, production fix date and Service Procedure.

**Issue:** Some 2017 Escape vehicles equipped with a 1.5L EcoBoost engine and built on or before 1-Feb-2017 may exhibit an illuminated MIL with diagnostic trouble codes (DTCs) P04DB and/or P051B stored in the powertrain control module (PCM).

**Action:** Follow the Service Procedure steps to correct the condition.

**Parts**

Part Number	Description	Quantity
GV6Z-6A664-B	Crankcase Pressure Sensor/Tube Assembly	1

**Warranty Status:** Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB. Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

**Labor Times**

Description	Operation No.	Time
2017 Escape 1.5L GTDI: Retrieve DTCs, Monitor Sensor Voltage (Pass) And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	182247A	0.4 Hrs.
2017 Escape 1.5L GTDI: Retrieve DTCs, Monitor Sensor Voltage (Fail), Replace The Crankcase Pressure Sensor/Tube Assembly And Reprogram The PCM (Do Not Use With Any Other Labor Operations)	182247B	0.7 Hrs.

**Repair/Claim Coding**

Causal Part:	RECALEM
Condition Code:	42

**Tool List**

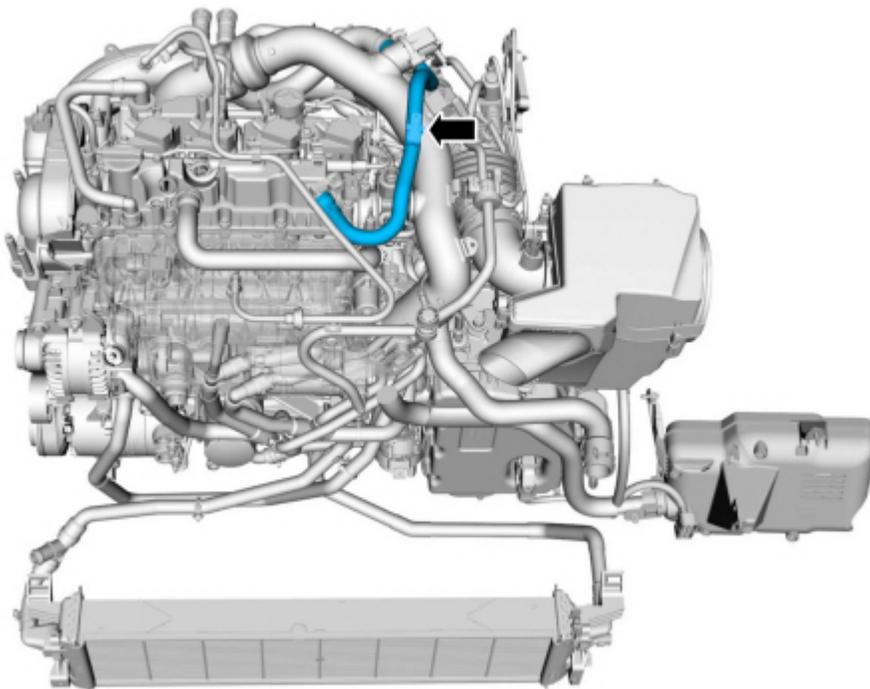
Drive	Tool Name
1/4"	Ratchet
1/4"	Torque Wrench
1/4"	Power Tool
1/4"	Torx® Socket T25
3/8"	Ratchet
3/8"	Torque Wrench
3/8"	15 mm Socket

Drive	Tool Name
3/8"	3" Extension
	Wiper Arm Puller
	Hose Clamp Pliers
	Pick Tool

## Service Procedure

1. Check the vehicle build date. Was the vehicle built on or before 1-Feb-2017?
  - (1). Yes - proceed to Step 2.
  - (2). No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.
2. Using the appropriate Ford scan tool or equivalent, retrieve DTCs. Is P04DB and/or P051B stored in the PCM?
  - (1). Yes - proceed to Step 3.
  - (2). No - this article does not apply. Refer to the PC/ED Manual for normal diagnostics.
3. Using the appropriate Ford scan tool, enter Datalogger > PCM > PIDs. Monitor CRNKCAS\_P\_V during key on/engine off (KOEO) for 10 seconds without tapping/disturbing the sensor and connector. Is the sensor voltage between 3.7 volts and 4.1 volts?
  - (1). Yes - proceed to Step 7.
  - (2). No - proceed to Step 4.
4. Remove the cowl panel. Refer to Workshop Manual (WSM), Section 501-02.
5. Remove and replace the crankcase pressure sensor/tube assembly. (Figure 1)

Figure 1



E270431

6. To install, reverse the removal procedure.
7. Reprogram the PCM using the latest version of the appropriate Ford diagnostic scan tool.
  - (1). NOTE: ADVISE THE CUSTOMER THAT THIS VEHICLE IS EQUIPPED WITH AN ADAPTIVE TRANSMISSION SHIFT STRATEGY WHICH ALLOWS THE VEHICLE'S COMPUTER TO LEARN THE TRANSMISSION'S UNIQUE PARAMETERS AND IMPROVE SHIFT QUALITY. WHEN THE ADAPTIVE

STRATEGY IS RESET, THE COMPUTER WILL BEGIN A RE-LEARNING PROCESS. THIS RE-LEARNING PROCESS MAY RESULT IN FIRMER THAN NORMAL UPSHIFTS AND DOWNSHIFTS FOR SEVERAL DAYS.

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NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.